

sub B1
A2
6. A component according to claim 1, wherein the indicator material is a phosphor material.

7. A component according to claim 1, wherein the indicator material comprises a rare earth dopant.

9. A component according to claim 1, wherein the indicator material comprises a compositionally-graded structure, a composite structure, or a multi-phase structure.

A3
10. A component according to claim 1, wherein the thermal barrier coating comprises a layered structure of indicator materials having different respective emission spectra.

sub B1
11. A component according to claim 1, wherein the thermal barrier coating comprises a layered structure of an outermost, substantially transparent region and a region including an indicator material optically interrogatable through the substantially transparent region.

12. A component according to claim 1, wherein the component is a component of a combustion engine.

sub B1
A4
19. A machine according to claim 17, wherein the machine is a combustion engine.